Study Guide

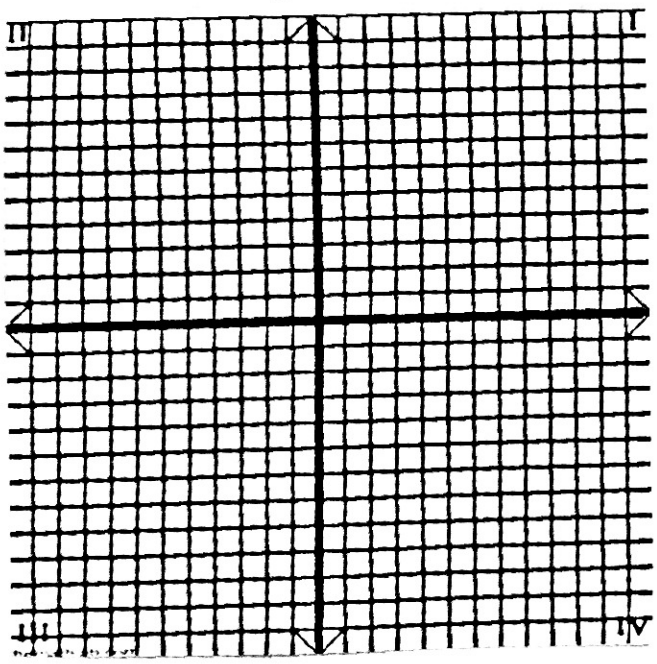
RE1.6 ____

name _____

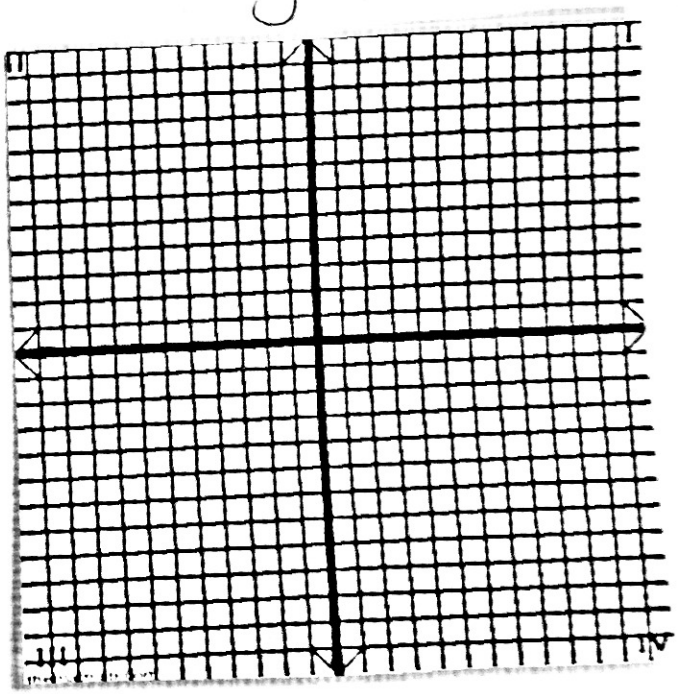
Solving Systems of Eq.s

Solve by graphing. State what kind of solution it is & if there is 1, name it.

1. $y = -2$
   $4x + y = 2$



2. $y = \frac{1}{2}x$
   $2x + y = 10$



Solve using substitution.

3. $y = 2x - 2$
   $y = x + 2$

4. $x - 5y = 36$
$2x + y = -16$

5. $\frac{1}{3}x - y = 3$
$2x + y = 25$

6. $y = 6x$
$2x + 3y = -20$

7. $x + y = 8$
$7.25x + 5.5y = 52.75$

8. $x + 5y = 4$
$3x + 15y = -1$

9 $x - 5y = 10$
$2x - 10y = 20$

10. $x = 2y - 3$
$x = 2y + 4$

11. $x - 2y = -1$
$3y = x + 4$

Solve by elimination; add/subtract.

12. $3m - 2n = 13$
$m + 2n = 17$

13. $2m - 5n = -6$
$2m - 7n = -14$

Solve by elimination; multiplication

14. $4x - 3y = 12$
$x + 2y = 14$

15. $7x + 2y = 2$
$2x - 3y = -28$

Solve by elimination; choose a method.

16. $2x+3y=10$
$5x+2y=-8$

17. $8-7y=18$
$3x+7y=26$

18. $4x+3y=-2$
$4x+3y=3$

19. $-6x-2y=14$
$6x+8y=-20$

20. $3x-4y=17$
$4x+5y=2$

21. $6m-8n=3$
$2m-8n=-3$